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TCS 10251/64 M/EB 524/64 10 November 1964 Copy /

MEMORANDUM FOR: Chief, Ballistic Missile and Space Division, OSI

ATTENTION:

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THROUGH:

Chief, Requirements Branch, Rec $oldsymbol{\varrho}$ nnaissance Group, CGS

FROM:

Chief, CIA/PID

SUBJECT:

Photo Analysis of the Instrumentation Site Within the Eastern Portion of the Instrumentation Control Center, Launch Area A, Tyuratam Missile Test Center

REFERENCES:

(a) Requirement C-SI-3-80,659

(b) CIA/PID Project C 1397-63

(c) NPIC Report R-69/64 dated February 1964

1. This memorandum is in partial response to your requirement dated 14 October 1963 requesting a detailed photo analysis of each FLIM FLAM tracking facility located within the USSR. This memorandum is restricted to analysis of the instrumentation tracking facility at the Tyuratam Missile Test Center, previously reported in NPIC Report R-69/64 as a probable FLIM FLAM tracking facility.

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2. This facility is located at 45-53-55N 63-20-20E, 5,500 feet south of Pad Al, Launch Complex A, and within the eastern portion of the Instrumentation Control Center. Mensural data for this report was accomplished by the photo interpreter with a confidence factor

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The instrumentation tracking facility on photography consists of two 105 by 75 by 25 foot instrumentation buildings spaced from center to center, 795 feet apart. (See line drawing, Items 2 and 3.) A perpendicular to a line passing through the two instrumentation buildings lies on an azimuth orientation of 35/215 degrees. A one-story 95 by 40-foot support building (Item 4) is located midway between the two instrumentation buildings. A small building of undetermined purpose (Item 5) lies between the central support building and the easternmost instrumentation building. A 60-foot diameter environmental shelter is positioned on the roof of the westernmost instrumentation building (Item 2), and a 55 to 60-foot circular possible environmental shelter support base with an antenna and/or antenna mount within its center is positioned on the roof of the easternmost

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> SUBJECT: Photo Analysis of the Instrumentation Site Within TCS 10251/64 the Eastern Portion of the Instrumentation M/EB 524/64 Control Center, Launch Area A, Tyuratam Missile Test Center

instrumentation building (Item 3). A self-supporting lattice tower (Item 6) roughly 200 feet in height is located approximately 600 feet northeast of the easternmost building. A suspect microwave antenna or boresight reflector is on the tower.

Although it cannot be determined what other instrumentation in the immediate area may to directly associated with this facility, two items appear to have some similar mensural features. These items are two probable large parabolic antennas located approximately 1,200 feet west of the westernmost instrumentation building. The easternmost of the two antennas is indicated as Item 1 on drawing. They lie on the same azimuth orientation as the two instrumentation buildings and their spacing apart (785°) varies only approxi-25X1D mately 10 feet from that of the spacing of two instrumentation buildings (795 feet). These antennas were emplaced in this location by prior to the beginning of the construction of the instrumentation buildings.

The rate of construction of the instrumentation facility can best be

shown by the following tabulation:

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Observation Instrumentation tracking facility not present.

Instrumentation baiddings first noted. Construction status undetermined.

No change noted. Roads improved leading to facility.

Beginning of probable environmental shelter support base and existence of possible antenna and/or antenna mount on roof of westernmost instrumentation building. Construction activity on roof of easternmost building. Central support building under construction. Small building of unknown purpose complete. Footings for self-supporting lattice tower.

Environmental shelter on roof of westernmost instrumentation building. No change noted on easternmost building. Main support building complete. Self-supporting lattice tower erected.

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HANDLE VIA TOP SEC TALENY-KEYHOLE Approved For Release 2001/06/09 : CIA-RDP78T05439A000400230021-3 CONTROL SYSTEM ON SUBJECT: Photo Analysis of the Instrumentation Site Within TCS 10251/64 M/EB 524/64 the Eastern Portion of the Instrumentation Control Center, Launch Area A, Tyuratam Missile Test Center 25X1D 'Observation Probable environmental shelter support base on roof of easternmost instrumentation building. Antenna and/or antenna mount on roof of easternmost instrumentation building. No change noted. 25X1D It can be seen from the above tabulation that construction began on the instrumentation buildings sometime between In _____ the stage of construction of the instrumentation buildings could not be determined. The westernmost building was completed with a 25X1D 25X1D 25X1D possible antenna by easternmost building was completed with a possible antenna by The main support building was completed between 25X1D Constructionally, the instrumentation facility appears to have probably been able to begin operations during the period 25X1D 25X1D 25X1D This tracking facility is not similar to any known FLIM FLAM facilities in size of buildings or spacing between buildings. A similarity does exist in the type and size of environmental shelter construction. No high frequency communication antennas can be directly related to the facility. 25X1Q REFERENCES:

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SUBJECT: Photo Analysis of the Instrumentation Site Within TCS 10251/64

the Eastern Portion of the Instrumentation Control Center, Launch Area A, Tyuratam

M/EB 524/64

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Maps or Charts: DESPA Series 1, Sheet NL 41-8

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SUBJECT: Photo Analysis of the Instrumentation Site

Within the Eastern Portion of the . Instrumentation Control Center, Launch Area A, Tyuratam Missile Test Center

TCS 10251/64 M/EB.524/64

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3. The photo analyst on this project is who may be contacted on extension 3623 should you have any further questions concerning this project.

. 4. This project is not considered to

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Enclosures:

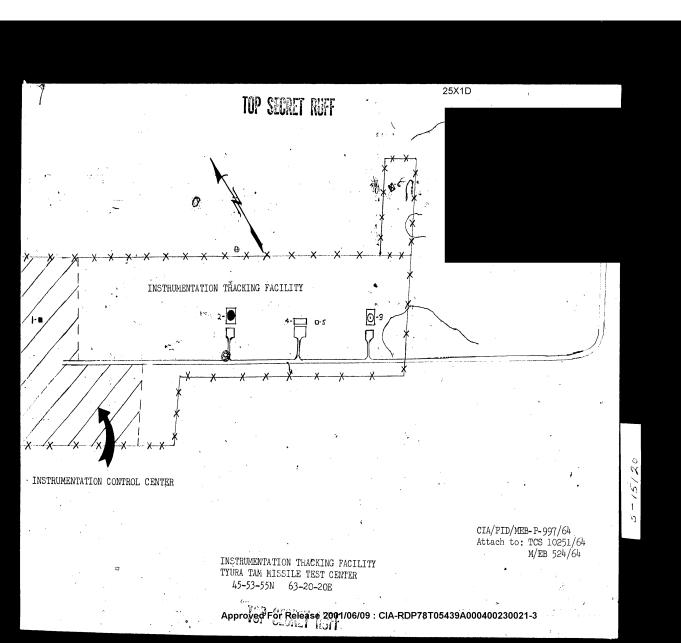
1 - One (1) annotated line drawing (CIA/PID/MEB-P-997/64)

2 - One (1) photo enlargement (CIA/PID/MEB-P-998/64)

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INSTRUMENTATION TRACKING FACILITY
TYURA TAM MISSILE TEST CENTER
45-53-55N 63-20-20E

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CIA/PID/MEB-P-998/64 Attach to: TCS 10251/64 75#05439A000400230021-3/EB 524/64